

SECTION 12511 - WINDOW SHADES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes window shades.
- B. Related Sections: The following Sections contain requirements that relate to this Section:
 - 1. Division 6 Section "Miscellaneous Carpentry" for fire retardant wood blocking and grounds for mounting window shades.

1.3 SUBMITTALS

- A. General: Submit each item in this Article according to the Conditions of the Contract and Division 1 Specification Sections.
- B. Product data for each type of window shade specified. Include printed data on physical characteristics.
- C. Shop drawings showing location and extent of shades. Show installation details at and relationship to adjoining work.
- D. Samples, in manufacturer's standard sizes, showing the full range of color, texture, and pattern variations expected. Prepare samples from the same material to be used for the Work.
- E. Schedule of window shades using same room designations indicated on Drawings.
- F. Maintenance data for horizontal louver blinds to include in the operation and maintenance manual specified in Division 1. Include the following:
 - 1. Methods for maintaining window shades.
 - 2. Precautions for cleaning materials and methods that could be detrimental to finishes and performance.

1.4 QUALITY ASSURANCE

- A. Fire-Test-Response Characteristics: Provide window shades identical to those tested for the following fire-test-response characteristics as determined by UL or another testing and inspecting agency acceptable to authorities having jurisdiction.
 - 1. NFPA Class "A" flame-retardant and UBC Class 1 per ASTM E84.
- B. Single-Source Responsibility: Obtain each type of window shade from one source and by a single manufacturer.

1.5 PROJECT CONDITIONS

- A. Field Measurements: Check actual window shade dimensions by accurate field measurements before fabrication, and show recorded measurements on final shop drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
- B. Space Enclosure and Environmental Limitations: Do not install shades until space is enclosed and weatherproof, wet-work in space is completed and nominally dry, work above ceilings is complete, and ambient temperature and humidity conditions are and will be continuously maintained at values near those indicated for final occupancy.

1.6 EXTRA MATERIALS

- A. Furnish extra materials described below that match products installed, are packaged with protective covering for storage, and are identified with labels clearly describing contents.
 - 1. Window Shades: Before installation begins, furnish quantity of full-size units equal to 2 percent of amount of each size installed.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Available Products: Subject to compliance with requirements, window shades that may be incorporated in the Work include, but are not limited to, the products specified in each Product Data sheet at the end of this Section.

2.2 FABRICATION

- A. Product Standard and Description: Comply with AWCMA Document 1029 for each window shade unit consisting of louvers, rails, locks, tapes, and installation hardware.
- B. Lifting Mechanisms: Non-corrosive, self-lubricating materials.
- C. Unit Sizes: Obtain units fabricated in sizes to fill window and other openings as follows, measured at 74 degrees F (23 degrees C):
 - 1. Shade Units Installed Between (Inside) Jambs: Width equal to 1/4 inch (6 mm) per side or 1/2 inch (13 mm) total, plus or minus 1/8 inch (3 mm), less than jamb to jamb dimension of opening in which each blind is installed. Length equal to 1/4 inch (6 mm), plus or minus 1/8 inch (3 mm), less than head to sill dimension of opening in which each blind is installed.
- D. Installation Fasteners: Not less than 2 fasteners per bracket, fabricated from metal non-corrosive to shade hardware and adjoining construction; support shade units under conditions of normal use.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions for compliance with requirements for installation tolerances and other conditions affecting performance of window shades. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install shades level and plumb.
 - 1. Head Mounted: Install headrail on face of opening head.

3.3 ADJUSTING

- A. Adjust components and accessories for proper operation.

3.4 CLEANING

- A. Clean blind surfaces, according to manufacturer's instructions, after installation.
- B. Remove surplus materials, packaging, rubbish, and debris resulting from installation. Leave installation areas neat, clean, and ready for use.

3.5 PROTECTION

- A. Provide final protection and maintain conditions in a manner acceptable to manufacturer and Installer that ensure that horizontal louver blinds are without damage or deterioration at the time of Substantial Completion.

PRODUCT DATA SHEET - WINDOW SHADES

- A. Window Shade Designation: WS.
- B. Louver Material: Vinyl.
 - 1. Nominal Louver Width: 5/16 inch (8 mm) wide by 1/32 inch (1 mm), woven with blended fibers.
- C. Valance: Match color of shade.
- D. Mounting: As indicated.
- E. Color: As selected from manufacturer's full range of colors for window shades specified up to four (4) colors.
- F. Available Product:
 - 1. Manufacturer's Name: Webb Designs, Inc.
 - a. Product Name: CuraFlame, Level-Lok.

END OF SECTION 12511

